

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	361	(52/414).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/02 11:19
L2	349	(52/334).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/02 11:19
L3	441	(52/432).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/02 11:19
L4	121	(52/514.5).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/02 11:19
L5	1059	(52/514).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/02 11:19
L6	1196	(52/167.1).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/02 11:19

L7	177	(52/231).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/02 11:19
L8	386	(52/707).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/02 11:20
L9	227	(52/708).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/02 11:20
L10	226	(52/711).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/02 11:20
L11	97	(52/431).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/02 11:20
L12	895	(52/600).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/02 11:20
S1	335	(52/169.14).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2007/10/24 11:40
S2	4	S1 and (shaft or pole or post) same steel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:ADJ	:ON	2007/10/24 12:43
S3	194	(52/169.13).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2007/10/24 12:48
S4	300	(52/170).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2007/10/24 12:53

S5	252	(52/721.4).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 12:53
S6	140	(52/723.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 12:53
S7	54	(S1 or S3 or S4 or S5 or S6) and paint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 12:55
S8	57	(S1 or S3 or S4 or S5 or S6) and corrosi\$3 near4 resist\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 12:56
S9	8	S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 12:57
S10	1	("4019301").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 12:57
S11	26	S8 and coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 12:59
S12	1	("3939665").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 13:04
S13	8	(S1 or S3 or S4 or S5 or S6) and ammonium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 13:12
S14	1	(S1 or S3 or S4 or S5 or S6) and resin binder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 13:22

S15	77	(S1 or S3 or S4 or S5 or S6) and epoxy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 13:23
S16	5	neutralize ammonium ions	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 13:34
S17	2	GB "2378710"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 14:56
S18	2	JP "2004202693"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 15:14
S19	2	JP "2002371372"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 15:18
S20	2	JP "2004211292"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/24 15:27
S23	1	dog near3 urine and ((steel or metal) near (pole or post or stake))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 07:58
S24	74	("0511378"   "0946665"   "1213002"   "1213201"   "1858512"   "2650948"   "2836397"   "2841634"   "3013584"   "3235652"   "3399852"   "3489847"   "3622689"   "3813837"   "3977653"   "4054269"   "4061435"   "4082917"   "4136257"   "4194338"   "4202520"   "4228316"   "4431152"   "4435242"   "4462572"   "4646618"   "4680428").PN. OR ("4803819").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/25 08:37
S25	5	S24 and resistance and coating	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/25 09:16

S26	28	(fire hydrant) and coating with resist\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/25 09:23
S27	34	(US-20030093962-\$ or US-20020007613-\$ or US-20060101778-\$ or US-20010003336-\$).did. or (US-3611736-\$ or US-4019301-\$ or US-6189286-\$ or US-4058985-\$ or US-3939665-\$ or US-7171793-\$ or US-6938390-\$ or US-6460305-\$ or US-6048594-\$ or US-6006488-\$ or US-5800889-\$ or US-5770276-\$ or US-4993876-\$ or US-4558545-\$ or US-4802533-\$ or US-4803819-\$ or US-5020934-\$).did. or (US-2413243-\$ or US-2910381-\$ or US-3523884-\$ or US-3450295-\$ or US-2145284-\$ or US-3429758-\$).did. or (GB-2378710-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 09:31
S28	28	S27 and steel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 09:31
S29	22	S28 and coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 09:32
S30	21	S29 and corros\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 09:32
S31	10731	cation and (react\$5 or neutral\$5) and steel and (pole or post)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:00
S32	139	cation and (react\$5 or neutral\$5) and steel near5 (pole or post)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:01
S33	88	S32 and coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:02

S34	15	\$33 NOT (film or photo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:03
S35	508	dog near2 (urin\$5 or pee or tinkle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:07
S36	2	\$35 and steel near4 (pole or shaft or hydrant or post or rod)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:08
S37	17	\$35 and corro\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 10:10
S38	3162	ammonium ion and corrosion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:03
S39	376	(148/240).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/25 11:03
S40	336	(148/287).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/25 11:03
S44	0	("17and(molybdateorborateorvanadinateorphosphateorsulfate)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/25 11:14
S45	2331	\$38 and (molybdate or borate or vanadinate or phosphate or sulfate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:15
S46	1297	\$45 and coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:16

S47	:29	\$46 and (steel or metal) near (pole or shaft or post)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:17
S48	:669	\$38 and epoxy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:21
S49	:523	\$48 not (medical or medicine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:22
S50	:80	\$48 not (film or photo\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 11:22
S51	:49	:OKOCHI.in. and corrosion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 16:48
S52	:8	:dog near2 urine and corros\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/25 16:50

S53	48	((US-20030093962-\$ or US-20020007613-\$ or US-20060101778-\$ or US-20010003336-\$ or US-20030168128-\$).did. or (US-3611736-\$ or US-4019301-\$ or US-6189286-\$ or US-4058985-\$ or US-3939665-\$ or US-7171793-\$ or US-6938390-\$ or US-6460305-\$ or US-6048594-\$ or US-6006488-\$ or US-5800889-\$ or US-5770276-\$ or US-4993876-\$ or US-4558545-\$ or US-4802533-\$ or US-4803819-\$ or US-5020934-\$ or US-5116256-\$ or US-7175882-\$ or US-5993567-\$ or US-5948178-\$ or US-5843242-\$ or US-4765871-\$ or US-3932198-\$ or US-3714066-\$ or US-5395555-\$).did. or (US-2413243-\$ or US-2910381-\$ or US-3523884-\$ or US-3450295-\$ or US-2145284-\$ or US-3429758-\$ or US-3625716-\$).did. or (GB-2378710-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$ or JP-2005264695-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$ or JP-2003073856-\$ or JP-2002241959-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/10/26 12:15
S54	19	S53 and zinc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/26 12:16
S55	57780	resist\$4 same (((dog canine) near3 (urine or pee)) or (ammonium ammonia ammon\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/07/02 17:38
S56	30298	((coating or layer).ab. same (((dog canine) near3 (urine or pee)) or (ammonium ammonia ammon\$4)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/07/02 17:40
S57	50004	((coating or layer).ab. and (((dog canine) adj (urine or pee)) or (ammonium ammonia ammon\$4)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/07/02 17:42
S58	271506	(((dog canine) adj (urine or pee)) or (ammonium ammonia ammon\$4)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/07/02 17:42

S59	15	resist\$4 same ((dog canine) near3 (urine or pee))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2008/07/02 17:42
S60	14	S59 not (plastic or polymer\$4).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2008/07/02 17:43
S61	117	((coating or layer) with (resistance resistant) with corrosion with (ammonium ammonia ammon\$4)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2008/07/02 17:48
S62	2028	ammonia with corrosive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2008/07/03 08:54
S63	156301	("52").CLAS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 08:55
S64	137682	("427").CLAS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 08:59
S65	56782	("148").CLAS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 08:59
S66	106896	("106").CLAS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 08:59
S67	250	S62 and (S63 S64 S65 S66)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2008/07/03 09:00
S68	13	("3531414").URPN.	USPAT	:OR	:ON	2008/07/03 09:07
S69	84	(zinc near plated) with steel with (post pole shaft rod)	USPAT	:OR	:ON	2008/07/03 10:30
S70	11	S69 same (titanium nickel gold silver platinum)	USPAT	:OR	:ON	2008/07/03 10:31

S71	263	(dog or canine) near3 (piss urine pee ammoni\$3)	USPAT	:OR	:ON	2008/07/03 10:35
S72	618062	(titanium nickel gold silver platinum)	USPAT	:OR	:ON	2008/07/03 11:00
S73	4812	(titanium nickel gold silver platinum) with (corrosion adj resistance)	USPAT	:OR	:ON	2008/07/03 11:01
S74	147	(titanium nickel gold silver platinum) with (corrosion adj resistance) same (steel with zinc)	USPAT	:OR	:ON	2008/07/03 11:01
S75	1	("20040018376").PN.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 11:02
S76	35	{"20010042538"   "20020053341"   "20020083924"   "20020108660"   "20030019477"   "20030056759"   "20040226540"   "4457280"   "4474160"   "4519368"   "4570600"   "4660524"   "5022372"   "5024198"   "5027777"   "5090385"   "5211149"   "5617827"   "6148798"   "6205979"   "6354273"   "6371083"   "6418909"   "6418910"   "6427665"   "6463911"   "6470859"   "6497128"   "6497219"   "6513500"   "6513501"   "6672286"   "6889660"   "6901914").PN. OR ("7028668").URPN.	US-PGPUB; USPAT; USOCR	:OR	:ON	2008/07/03 11:07
S77	1	("4999258").PN.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 11:09
S78	252	(52/721.4).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 13:50
S79	140	(52/723.1).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 13:50
S80	196	(52/169.13).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 13:50
S81	339	(52/169.14).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 13:50
S82	302	(52/170).CCLS.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2008/07/03 13:50
S83	14	(US-20030093962-\$).did. or (US-4558545-\$ or US-7175882-\$ or US-4803819-\$ or US-4058985-\$ or US-5800889-\$ or US-5395555-\$).did. or (US-3523884-\$ or US-3429758-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$ or JP-2005264695-\$).did. or (JP-2003073856-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	:OR	:ON	2008/12/17 09:15
S84	19	(US-20030168128-\$ or US-20040018376-\$).did. or (US-3939665-\$ or US-6006488-\$ or US-4802533-\$ or US-5020934-\$ or US-5993567-\$ or US-5948178-\$ or US-5843242-\$ or US-3714066-\$ or US-6723178-\$ or US-6527841-\$ or US-4999258-\$ or US-6797372-\$ or US-6537674-\$ or US-5753313-\$ or US-5238506-\$).did. or (US-3531414-\$ or US-3411958-\$).did.	US-PGPUB; USPAT; USOCR	:OR	:ON	2008/12/17 09:15

S85	33	S83 or S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/17 09:15
S86	14	S85 and ammonium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/17 09:16
S87	2	S85 and ammonium with resistan\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/17 09:21
S88	0	(52/721.4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/02 16:28
S89	0	(52/723.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/02 16:28
S90	690	(52/834).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/02 16:28
S91	205	(52/169.13).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/02 16:28
S92	380	(52/169.14).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/04/02 16:29

S93	307	(5/170).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2009/04/02 16:29
S94	46045	coating with (amine polyamine isocyanate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 12:40
S95	1222	coating with (amine polyamine isocyanate) with corros\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 12:40
S96	402	coating with (amine polyamine isocyanate) with corros\$4 with epoxy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 12:41
S97	11	coating with (amine polyamine isocyanate) with corros\$4 with epoxy same ammonium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 12:41
S98	2	(("4692315") or ("20020043649")).PN.	US-PGPUB; USPAT; USOCR	:OR	:OFF	2009/09/03 14:26
S99	14	((US-20030093962-\$).did. or (US-4558545-\$ or US-7175882-\$ or US-4803819-\$ or US-4058985-\$ or US-5800889-\$ or US-5395555-\$).did. or (US-3523884-\$ or US-3429758-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$ or JP-2005264695-\$).did. or (JP-2003073856-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	:OR	:ON	2009/09/03 14:56
S100	19	((US-20030168128-\$ or US-20040018376-\$).did. or (US-3939665-\$ or US-6006488-\$ or US-4802533-\$ or US-5020934-\$ or US-5993567-\$ or US-5948178-\$ or US-5843242-\$ or US-3714066-\$ or US-6723178-\$ or US-6527841-\$ or US-4999258-\$ or US-6797372-\$ or US-6537674-\$ or US-5753313-\$ or US-5238506-\$).did. or (US-3531414-\$ or US-3411958-\$).did.	US-PGPUB; USPAT; USOCR	:OR	:ON	2009/09/03 14:56
S101	78	(("20020043649"   "20030093962"   "20030168128"   "20040018376"   "3411958"   "3429758"   "3523884"   "3531414"   "3714066"   "3939665"   "4058985"   "4558545"   "4692315"   "4802533"   "4803819"   "4999258"   "5020934"   "5238506"   "5395555"   "5753313"   "5800889"   "5843242"   "5948178"   "5993567"   "6006488"   "6527841"   "6537674"   "6723178"   "6797372"   "7175882").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 14:57

S102	68	(US-20030093962-\$ or US-20020007613-\$ or US-20060101778-\$ or US-20010003336-\$ or US-20030168128-\$ or US-20040018376-\$ or US-20050179010-\$ or US-20020043649-\$).did. or (US-3611736-\$ or US-4019301-\$ or US-6189286-\$ or US-4058985-\$ or US-3939665-\$ or US-7171793-\$ or US-6938390-\$ or US-6460305-\$ or US-6048594-\$ or US-6006488-\$ or US-5800889-\$ or US-5770276-\$ or US-4993876-\$ or US-4558545-\$ or US-4802533-\$ or US-4803819-\$ or US-5020934-\$ or US-5116256-\$ or US-7175882-\$ or US-5993567-\$ or US-5948178-\$ or US-5843242-\$ or US-4765871-\$ or US-3932198-\$ or US-3714066-\$ or US-5395555-\$).did. or (US-7291217-\$ or US-6723178-\$ or US-6527841-\$ or US-7041382-\$ or US-7028668-\$ or US-4999258-\$ or US-6797372-\$ or US-6537674-\$ or US-5753313-\$ or US-5238506-\$ or US-6582575-\$ or US-6046256-\$ or US-4692315-\$).did. or (US-2413243-\$ or US-2910381-\$ or US-3523884-\$ or US-3450295-\$ or US-2145284-\$ or US-3429758-\$ or US-3625716-\$ or US-3531414-\$ or US-3411958-\$ or US-3119846-\$).did. or (GB-2378710-\$ or WO-9619298-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$ or JP-2005264695-\$).did. or (JP-2002371372-\$ or JP-2004202693-\$ or JP-2004211292-\$ or JP-2003073856-\$ or JP-2002241959-\$ or EP-1657325-A-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 14:57
S103	33	S102 not (S99 S100 S101)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:ON	2009/09/03 14:57
S104	0	(52/721.4).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2009/09/03 15:01
S105	0	(52/723.1).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2009/09/03 15:01
S106	208	(52/169.13).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2009/09/03 15:01
S107	385	(52/169.14).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2009/09/03 15:01

S108	309	(52/170).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2009/09/03 15:01
S111	209	(52/169.13).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/01 18:54
S112	386	(52/169.14).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/01 18:55
S113	314	(52/170).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/01 18:55
S115	705	(52/834).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	:OR	:OFF	2010/02/01 18:55

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